NEW YEAR RACE DRAWS A RECORD NUMBER OF ENTRANTS

ft was an uncommon stgld; a great swarm of skiers gathered In a wood clearing in the small town of Odiotsovn to the Miss cow Region, and surger - abead of the blibbing of the starter gun fired by a Father Frost. On the last rlay of December they attended a New Year Inca Initiated by Nikolal Manzhusov, 1941 na-Hound skiling winner. Races to his honour began in 1969. On that occasion 12 skiers, gathered to a birch gove clearing in Odinisovo, wished each other well in tto New Year and then spring

In the intervening years the number of participants has been snowballing. Among the award winners were Olympic charapublis Vyacheslav Vedentin, Sor-

ger Savityev and Fronton Sima-

The latest race brought togettier an all time high al gearly 1,600 contestants from ever 40 lowns. White of the men's race servicemen Alexander listiakov Ironi Moscow, dasheil the 70 km course in 1 hr 47 min 12 sec in gusty and cloudy

The top woman contestant was Mostow engineer fatyana Yesipova, her list such victory; Vitaly Kurochkia, a 48 year-old enginers at a Moscow design insittute won the veterans group, also for the first time.

Inchientally, he attended that lirst race 15 years ago, 100. Genrikh KHACHKOVANYAN

Photo In P. References

FYODOR CHERENKOV-TOP FOOTBALLER

n karangan karangan dan karangan karangan bangan bangan bangan karangan karangan bangan bangan karangan bangan

24-year old Fyodor Cherenkov from Mescow Spodak has been voted the Soviet lootball player of the year in a survey run for the 20th time, by the "Footballble Hockey" weekly among 180 sports writera.

His teammate Rinat Dasayes came second and Thills! Dynamo player Alexander Chivadre was



Krasmoyarsk Yenisel played ae away game against Moscuw Dynamo and you 3-1 to e recent unitonal bandy championship game.

OBSA

ATTENTION.

SUBSCRIBERS

DEAR READERS,

SZZU edi ni sineve no nollem

end in the world reported by

TASS and foreign news agoncles.

ABROAD



32 NATIONS INVITED TO COMPETE MOSCOW

Ills samovars have an unusual

ones and stand 30 certification

holding some three litres. They

The USSR Gymnastics Federa-

tion, the organizers and the pape

er's editorial office, have sent

out invitations to 32 countries.

We hope that In the Olympic

year meny top gymnasts would

like to once again check their

shape and come over to compute.

As in second years, the compeli-

tion will be accompanied by sem-

thars for coaches and imiges to

diacuss the progress of the gym-

nastica, training methods and to

establish more common ground

un the judging of various com-

ilate on preparations for the

We will be keeping you up to

Riga Dynamo were runnersup

in a tournament at Malant, Swe-

den. They successfully tient a

lirst lengue club 7-3 and local

Matino ti-2, but went down

6-B in the eventual winners

Ferjestail one of the strongest

The USSR national has scored

ils third successive win over

Canada's Olympic team, 4-3, at

Swedish chilis.

Constitution of the second second

The year 1984 will be witness to a very varied sports programme; while in no way trying flat shape. The two big times are to lay claims to supremacy among events which rightlifly 45.50 cm filgh and hold live titras each. The len small ones are but smaller replicas of the larger are not simply for discorption-

belong with the Winter and Summer Olympics, we would like to renrind one readers of the "Moscow News" Prize gymnastics competition which will come to pass in late Mnich at the Lentn Central Stadium Palace of Sport. Alter the contest in Moscow the visiting contenders will move to Rige to vie for traditional prizes there.

The field, which may contain Los Angeles Games hopelula will contend the overall title and Individual titles. The top nilrounders will receive our editoriel office awards end om sonvenirs into the bargain.

Valentin Rozanov, chief artist at the Gahel production association outside Moscow has designed the awards-china semovais. He has 50 original works to his credit and has entered

ICE-HOCKEY **NEWS**

pi-siltons.

Moscow Dynamo won the annual Spongler Cup in Davos, Switzerland, by healing Czechoslovnkla's Dukla 4-0 in a ileci-

Dynamo won all lour gaines confesion in score oight points Dukla came second with six and tocal Drives third with lour points Dynamo's Anlyorov was voted host attacker of the tour-

ICE SPEEDWAY GALA SOON

The USSR has named for spendivery on the leant for the latheirhad world championship due in early lambily, featuling 12 participants, lour of their nowher meets-Vitaly Russkish, Serger and Yun Ivanov.

Violinii Sukhov, Anatoly Gadyshev and Alexander Moskovka will enter the January 57 montechnals at Rattytk, Swathen: Alexander Smyshlyeyer, Vladimir Lymbich and Vilaly Rosskikh will compete to the James 7 B quarterlinais st Caltio, Italy: Anatoly Boularents, Vladinii Subbotin and Yor banov will light it out on January > and Seigel Kazakov, Seigel hanov and Igor Yekovlev aft enter the tray to West Barillo 68 landary 21-32.

The semilinals ore schedule for liebutary 4-5 at lazell, Wes. Ciermany, and Assen, Holland Every notion may provide b more than three carers far rach semifinals for the list

The witner of the 19th chephoughto will omerge on Petracy 10 19 to 10to in the Some

Though the 1955R has take dominated the pervious char phoiships, winning ell but b' of them [Crechoslovakia 66. theset they are now up aget. heavy competition: last pr building Swedish rider Enk Se. lund won the luonze away while West Cermany and Sa den were the two top fluides? the 1961 would team change: ships

Boils MIKHAHOT

Off to a good startl

1983 with its (coubles, joys, billtiant victories and disappolating defeates is over. For this is what sport is all about. Tha unlucky ones will try to make n compliack in 1984.

1984 is Olympic year. With only a lew weeks lelt before the Winter Olympics in Sarajevo, coaches and ethieles are intinducing last minute corrections to their schadules.

This photograph was taken nt the Madeo akaling rink in the mountains in Kezakhaten where many records have been hickan. Frost la helped oll to e Rond stail by Pavel Pegov [leli] and Vladimii Kuzlov, both mam-Ireis of the Soviet National Olympic team. We wish him end all ethletes



Leidsasliaat 25.

all the heat for 19841

larmation" gives you a full idea el ille in the Soviet Union for

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DEAR READERS! In elher



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Round the Soviet Union

IN 1988 FULL ATTENTION IN THE SOVIET ECONOMY WILL BE CIVEN TO THE DEVELOP-MENT OF THE FUEL-AND-ENER-GY COMPLEXES. Power units with an aggregate capedity of 13,500 MW will be put into operation at the country's electric

A HIGH-DUTY SEPARATOR WITH A POWERFUL MACNETIC FIELD IS NOW IN SERVICE AT A DRESSING FACTORY IN GEORGIA. II WIII yield \$0,000

lonner of manganese concantrale e your frem dressing wastes.

A PROTOTYPE RAILROAD EIGHT-AXLE MULTI-PURPOSE FREIGHT CAR HAS BEEN BUILT IN THE UKRAINIAN CITY OF DONETSK. The cer, capeble of cerrying 129 tonnes of carge, can hauf ore, crustred rock and rol-

THE POWER SYSTEM OF ALTAI RECEIVED A CONSIDER-ABLE BOOST IN SUPPLIES FROM NEIGHBOURING KAZAKHSTAN WITH THE COMMISSIONING OF THE 22R-KILOVOLT PAYLODAR-KULUNDA TRANSMISSION LINE. This is the third major pewer transmission line linking the two large industrial regions in the east of the country.

ON MISSILES

Let it be known to all that the USSR and the other socialist states will never play up to those using the language of itke activities. Andrei Grooryko. Member of the Politburean o the CPSII Central Committee flist Vice-Chaleman of the USSR Council of Ministers and Soviet Foreign Minister stressed this during his recent talks in Moscow with Osker Fischer, Member of the Central Currnill ice of the Socialist Unity Party of Guinany and GDR Fureign

Aniliei Giomyko weni on to say that to continue the Geneva talks after the USA had begin deployment of its oudear missiles [when this can be seen as a cover-up for the NATO plans hoositng armoments), would be taninmnunt to defrauding people overywhere. The Soviet Union would never be drewn into this game, he stressed.

It would be quite another mailer it NATO countries showed e realistic approach to security mallers and expressed their readiness to return to the situation which existed prior to the start of the missile deploy ment—yes, pdor to that deploy-ment. Only then could the Soviet Union reciprocete, the Soviet Foreign Minister emphasized.

Stop aggression against Angola

Of Iale the estuetion in the south of the Airlean cootinant has become serioually aggrevated. Blateotiy delying UN Security Council decisions, the South Africao Republic not only confinues its illegal occupation of part of Angola, it is also expanding the scale of the confinue of of the conf ing the scale of its aggressive ections against this sovereige

Thua reeds a TASS statement released in view of the recent developments in the south of

The aggressor acis in the obvious expectation of going un-punished, the attiement noics. His elm remains the same-to eliminate the progressive regime in Angola At the same time, these ections helray broeder plans by the South African rulera: namely to perpeluate tho racisl colonialist ragime in the South Airican region through systematic use of military force; to dealabilize the equation in the Independent neighbouries Al-rican eleics; and lo torpedo the political settlement for Namibia. EDITORIAL BOARD present South African military action against soveretgo Angola is directly linked to the growing aggressiveness of world imperialism (particularly American) and gression against the people of Grenado, Lebanon end Nicara-ics. The racist regime in Preto-gression with the people of Grenado, Lebanon end Nicara-ics. The racist regime in Preto-calla would have been unable to behave in such e brazen end

(Confinued on page 2)

AMERICAN CHILDREN IN MOSCOW



Ten American bays and girls are at present in Moscow, They are members of the Children as Teachers of Peace organization set up in the United States two years ago. The road to understanding lies through experience, of their own age. If they learn says the group's leader, Pat Mon- more about one another, recall

landon, ol San Fiancisco, in Moscow, the children are lo visit schools, museums and theatres, as well as the Palace of Yming Pioneeis. A trip to tha circus is also on the agentin as are meetings with Soviet children

lowing the deployment of the new American nuclear missics

Faced with the historical respon-

sibility for the late of the Soviel State and Socialist Community

the Soviet Unios has had to take

answering measures, the Melio-politan daclared.

The report was followed by a wide-ranging discussion between raligious leaders from Cuba, Indie, Hungary, Zimbehwe, West

(Continued on page 2)

each other later on, Il they are linked by friendship, then their tilp will have accomplished its

In the Soviet capital, that American children met Vilaty Ruben Chairman of the USSR Soviet of Nationalities of the

visited the Soviet Peace Com-

meeting of the Soviel Peace Com-milles presided over by the Commiltee Chairmao, Yuil Zhu-

Religious leaders against nuclear threat

A meeting has taken pisce in Moscow, of the Working Presidium of the 1982 World Conference, "Religious Workers for Saving the Sacred Gilt of Life From Nuclear Catastrophe". It was attanded by 35 religi-oue leaders from 14 countries, who represented the main reli-

gions of the world. la ble report to the meetin Metropoliten Filaret of Minsk end Byelorussia noted with starm the serious deterloration in the 1982 World Coolerece.
What has heppened to Grenada today, said the Metropolitan, can happen to any independent coun-try in Central America. He noted

that the situation in Europe has

People's Kampuchea is five years old

Over the live years the Kainpurchean people have been in power, they have brought to an end the economic dislocation, done away with the librat of lamine and nie well on their way to e new Itle, Hor Namhong, Ambassador of the Peoplo's Ra-public of Kampuchea to the USSR, lold e press conference in Moscow commemorating the lilth engiveragy of Kampuchee's deliverance from the blood-stained Pol Pot regime and the proclamation of the People's Re-public of Kempuchea.

The situation in the country is irreversible, he stressed, and no enemy ploys will destroy it. The goal of the Kampuchean people is to build a socialist so-

SOVIET GAS COMES TO FRANCE

Peris. Two amail Alsace-Lorreine lowns have clean to oa-tional promineoce overnight, as Soviet gas arrived there in the first days of the new year from Siberia eloog a many-thousaod-kilometre gas pipelice. From there it will flow on to Paris and

The opening ceramony of the Siberie Prance pipeline will be held in mid-Jeouary aince et the moment tests are being carcicd out on the line's final soction. Reports about II figure promi-nently on radio end TV and in the press. Local observers atrass the long-term nature of the So-

viet-French egreement, which will last 25 years.

The agroament with the USSR on deliveries of Siberiae ges to Frence and of Freach equipment to the USSR eigaed back in Jenuery 1982 is vitally important, stressed Jean Le Garrec, Secretary of State to the Prime Minister. It has both an economic and political aignifi-cance. To build the world's largest gas pipeline yet end to fulfil the agreement strictly on time both aides hove shown a consislent and itrm attitude despite

preesure from outside. We have ' (Continued on page 2)

A CONTRACTOR OF THE PROPERTY O

Total Barrier

The Russian Winter Arts Festival is over

The twentleth Russian Winter Arts Fositval has unded in Moscow. For II days thestres end concert balls in this city put on their best theetrical productions and musical programmes.

Thousands of Muscavites, and their loreign and Soviat guesta enjoyed classica from nil over the world, Taking parl in the leatival were opera and ballel stars, musicians, and drams, vertaty and circus The leativel was made especially colourful by folk

companies from the Ukratoe, Georgia, and the Udmurt Autonomous Republic.

Io the phator "Sameya", a tyrical women's dence aleged to look like a fresco painting come alive -denced by the coloise from the Georgian dence en-

Photo by Andrei Sleponov



Rejoliers .

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(Conlinued on page 2) MH-INFORMATION NO.

INDIRA GANDHI ON THE NUCLEAR WEAPONS THREAT

Delhi. When oddressing the 71st session of the Indian reeeerch congrees of Ranchl, Other siate, Prinia Minister Indira Gandhi airessed the dangerous nature of attempts by Wastern alrategists to justify their boosting of nuclear arsenals. She seld that the sa-called finited nuclear wer theary and the idea that

auch a war could be won cause grave contern.

Any large-ecole use of nuclear weaposs would immediately kill hundreds of arillious of people and cause irreporable rlamage to lile an earth, particularly through ecological and genetic changes, some of them quilla tinpredictable, she stressed.

Position of new Nigerian leadership

Lagos. The new Nigerlan leailerabilit is prepared to develop relations of friendship and caaperation with all states, eald Mohammarin Buhari, rhaimsan at the supreme military council. Speaking to representatives of the diplomatic corps, he stressed that the republic's government will observe absolutely all futernational treaties and obligations, lioth bilateral and multilateral. We, suld Snharl, intend to build our relations with other countries on the hasts of equal rights, militual respect, sovereignty and non-interference into the internol alleirs of other states.

The head of the supreme military council said thet Nigerla rejects the attempts of certain ataics which consider themselves democratic" chough to protect the "flemocracy" which allegedly existed under the previous administration. It is a welf-known

fact that "democracy" and the way It existed in Nigeria prior to December 31, 1983, was in fart a screen to concest economic chaos, inemployment and corruption. We are of the opinion. stressed Ouhsri, that such attempts ere mativated by cansirlerations hostile to Nigeria. Washington. The USA has

niade another provacativa declaration with regard to Nigeria. Cammenting on the events in that African country, a apokesmon for the Depuriment of State actually demonder that Nigeria be guided by the former rules of "democracy". As is already known, the Department of State eorlier expressed its regret over the change of power in Nigerie. This move was correctly seen by the media as an act of lutericrence into the atlairs of a soveralgn state.

Washington pressurizing Tokyo

Takyo. The US Ambassador in Tokyo Michael Manslield le openly putting pressure upon the Japanese Government to make It keep the numerous promises which were given to Washington by Premier Nekasone during his first year of keeping

Mansfield mei Yuko Kurihara, chief of the National Deienca Administration and danianded a considerable increase in the Japanese military budget.

VIEWPOINT

The UN Security Council hes met twice to discuss South Af-

rica's armad incursions inta An-

gola, passing a resolutian de-

manding en immadiate and un-conditional pullout of all of

Praiorie's interventionist forces.

Well, the resolution was passed but the appression con-

fiel, According to France-Presse news agency, the cerreni opera-

tions by Pretorie are the biggast

tions by Pratorie are the biggast in recent filmes, with hoavy fighting continuing in the provinces of Cunane, Hulla and Cuando-Cubango over 200 kilometres inside Angole and from its border with Namible, The South African invosion fosca includes three motorised infentry brigades, feur artiflary groups and two paretrooper battalions banked by armoured vahicles, tents and a hundred pfenes and helicopters.

South African government and

brmy chiefs ere saying they ere

weging a "limited" compaige to

dater the SWAPO petriois of-

fensive usually launched, ec-

helicopters,

-end on a wider scale at

iliat Japan should siep up ils implementation of the agree-

special alleniton by his government. In the new state hudget, he said, the military expenses will he increased by no less than 6.88 per cent.

AND THEIR INSTIGATORS

that truel

ment on transferring e highly sophisticated technology to the

According to Kyodo Tsushin news agency, Yuko Kurihara assured Manshald that all Ja-pan's obligations to the military atliance with the USA are given

Yuri BUKSIN

AGGRESSORS

cording to tham, in the reiny season in northern Namibia. Is

"In hot pursuit" such is the cynical motivation troited out

every lime the racist regime em-barks an armed aggression against independent Angola. The

ihough, ballas this cantention which has alroedy bean dis-

missed by internetienal law as boing lotally without substance. Indeed, heavy tighting is now in progress nat just in any one

province in southern Angala bardering on Namible bui in three at a time. The number of

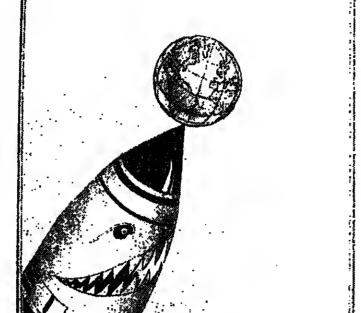
inrae at e time. The number of troops (by varying astimeles reaching up to 10,000) and the amount of combat equipment and avisition involved cast serious doubt over Preteria's contantion of the limited nature of the compaign. Clearly this is a large-scale armed aggression against a soveraign state. What has brought it about

For several years eow Angole has been pressing for the un-conditional withdrawal of South

African forces from ils occupied

has brought it about

Gangs of anti-Alghan merce-



Drawing by K. Vysolsky and A. Rekunenko

Millions of dollars for undeclared war

Kabul. The undeclared war waged by the imperialist powera and interletence into the domestic affairs of the Democralic Republic of Afghanistan are growing in scale, it was confirmed at a press conference held by the Afghen Ministry for Foreign Alfairs.

The speakers noted that in 1903 one hundred million dol-lars had been cormarked by the Pentagon for subversive activities, in 1984, the war departmant in Wachington Intends to spend nearly 125 million dollars on auch purposes. Mora than 18 million pounds have been contributed by Britain, and 60 million marks by West Ger-

naries are armed with tommy

territory, for a half to aggressive

actions egainst it, and e with-drewel of South Airlean support

for the dissident UNITA group-

ing. Lala lesi year Angolen armad loreas (FAPLA) deeli a

serias of savare blaws el the UNITA larrorists, driving them

aul of same areas end thus causing a lot of haadaches to Protoria. The letter's efforts to

destabiliza independoni Angola

have generally been to no evall,

and so it has joined larces with

the USA in benking on UNITA ringlaeder Jones Sevimbl. And II

ringlaedar Jones Sevimbl. And II is pracisally to seve their puppel from defeat that the South African rulers have put into ection their regular army units, stopping short of nothing in the process: Angelan nellonal rodio has raported that the South African investoe force used tosic nerve agonts and 1SS m G-S hewill-sers equipped for both conven-

sers equipped for both conven-lional and euclear charges.

thods of destabilizing unfriendly

regime, the Reagan edminis-

irelion is keeping at the ready

Apert from its verious me-

and machine guns, anti-aircraft weopons, martars, rockels, and mines mode in the United States, Britain, Egypi, and Pakistan. Journalies were shown samples of weapons captured recently by the Alghan Army.

frienlogical salutingo against Alghaniston ts also growing. At present, morn than litty Western alailons beam propaganda against that country. Over the past live years, the volume of broarleasting time allotted to Afghaniatan has increased thirly limes, amounting to 110 hours every day.

Speakera at the press conference representing Alghan clergy exposed the threathere of Western propaganda assertious obout the suppression of reli-gion in Afghanision.

some sort at total weapon

known as "linkaga". Contrary to

all lagic and cammon sense, the problem of Namible's independ-

ence from Sauth Airles | "linked" to the withdrawel o

Cuban armed units from Angola

which are there in accordance

with an agreement between the

governments of two sovereign

Ol late the USA has mounted

pressure on Angola to lorce to egrea to such a withdrawal

And the "linkege" issue has been raised enaw but in a dif-

lerent contest, with suggestions being made that the Cuban units

be replaced by "inter-African" or some other "multineflonal" lorces. Not to be outdone by

Weshington's glaring blackmell, Preioria has "linked" its pro-

nosals for a withdrawel of the

occupation forces from Angole

te an Angolan piedgo to end all suppari for SWAPO. Angolan Deputy Foreign Minister V. di Moura was fully justified in describing libis eran-twisting factic as

yet another larce. A South Airlean pullout from Angole, ha siressed, should not be leken es an ect of South Airlea's clamen-

cy — Angole, being e sovereign siete, has a logilimete right to demend the pullouf. This view is shared by the

UN Socurity Council, as 14 of His

UN Socurity Council, as 14 of its members voted for the withdrewal of the South African invosion ferce from Angele, the USA hoing the only abstantian. Washington is thus giving its "constructive cooperation" periner to understand it may have the free run of the whole of southern Africe.

nations.

The Soviet Union dem that an ent he put to all \$ Africa's acis of aggre-against Angota, both dies! findhect, and the complete at drawal of all South Mo tmops from Angels, it is the lurther.

Soviet gas

comes to Fram

many years of cooperation

the Seviet Union behind u.

want to promote it was

In Italie. Considering the world lensions more congri-hetween France end here could and should help re-

the world situation, impose the relateding and provide on

institutty to saleguard page

turope and throughout;

leaders against

nuclear threat

Gormany, Syrtn, the United?

tes und other countries An.

with theme thrring the diseas

which found reliection in

communique odopted at fisc

of the meeting, was the ned-

the religious community for

solidate its actions against:

nurriear threat. It was a decided to hold a rough

discussion next December

problems of preventing the

of outer space for milling;

AGGRESSION

(Continuert from page !

deflant manner, had tradt

aided and obetted by Wat.

other NATO countries thats:

ply South Africa with well

which it uses in its egge

ngainst the peaceful nelles:

ton, It is the United States

AGAINST

ANGOLA

STOP

(Cantinued tram page !)

Religious

(Continued from page)

This new oct of aggression South Atrico against A rulers of South Africa and patrons are responsible for ing a dongerous alluation is south of the Airlean confe whose elimination required gent concerted interest

People's is five years of

diength.

out (Continued from page 1)

Igor DAN

MN INFORMATION No. 2.28

He also remarked the people targety owed their pin creative tabour to their bin iriends, locluding the Union, which was among first to come to Kampur aid. Bilateral trade and econoccoperation have been growing. The USSR also it ing to build a targe power, it on in Phnom Panh and training aktiled personnel various tasks. In the metal, 500 young Kampuchesus aludying to the Soviet United Hor Namhong praised & Kampuchean-Soviet summit and expressed confidence the friendship and cooper between the two course would go from strength

MN INFORMATION No. 2, 1984

THE WORLD

Portuguese Government under fire

Lishan. An extension at the lease to the USA of the major Lajes montary air bash in the Azores has drawn criticism to the Portuguese Government,

In the first clays at 1904 even the Azores Cathalic clargy expressed their oppasition to the agreement. A statement from the clergy layours a "policy of non-alignment" and independence from outside dikial to be conducted by the regional government of the Azores, it atsa criticived the aims race being ron ducted by importalist circles one spoke out against the squantlering of money on weapons at a fluid when millions of people in the world are dying of hunger overy

FRENCH TROOPS PATROL **TRAINS**

Parts. In France, the rallway ines trains and stations have beau placed under constant police sinvellance following the two explosions, one of which wronked the Marseilles-Paris high-speed train and the other damaged a railway station le Marseitles, killing five people

and wounding litty. Police are patrolling trains and checking the passengers buggage. At le Gare de Lyons station in faria, specially trained dogs still out explosives. Des-pite all the efforts taken by the authorities. no trace of the people responsible for the blasts has been detected.

PEOPLE

According to the Swadish "Nya Kvällspressen" newspapar, the American CIA tapped without authorization a conversation batween Olof Palme and Sweden's permanant representative at the United Nations, Anders Ferm, and recorded it on laps. Extracts from the conversation were handed over by top-ranking CIA officials to "Svenska Dagbladet", tha extramely conservative Swedish newspaper, which relieves the views of the Moderate Party. "Nye Kvallspressen" noles that this was done in order to com-promise Olol Palme and to un-dermine host in the Prime Ministar, this being in the Interests of both the CIA and the Conservative leadership.

Japanese speak

Tokyo, Uniairness, chaos, cgolsm and loncliness, is how most Japanese described their society in the "Asald Shimbon" newspaper aurvey. Only 18 per cent of their considered their so-clety "Iree" and one per cent, "united". Altogother 3,000 poople in various parts of the country were posted. When asked about the most valuable aspect ol life, over 40 per cent named good health and about the same number, the family. Only six per cent were content with the government's policies, while nearly 60 per cent voiced oppo-allico to them. Only one in lec polled layoured a revision of the country's constitution to legalize the armed forces, while nearly 80 per cent said thay were egalnst it. parts. The resulting full colour

President Reagas is "adamant" that the US troops will not be withdrawa Irnu Lehanou, according to Larry Speakes, deputy press secretary of the Whita flouse, The declaration was made in cannerlian with the mounting projests to the US Caugress against the lurther presence of US traaps in Lebanon where they have beenned alrectly involved in the internal Lebanose cantiet and are interleiting in the internal alians at that Arab state. In the photo: US Marines building a new houser in the region at

Israel rocked by crisis the huge expenses on armaments

Beirut. The tionist raters of Israel are laced with a most acuty political crisis caused by the economic utiliculties the zionisi state is going through as a result of the policies of aggression and expansionism.

Reports received in Belrul sny that the coalillon government of the ultra-right-wing parties is threatened with collapse in the wake of the automicement by the Minister of Finance, Yigal Cohen-Orgad, of his plan to improve the country's alling finances. The plan forms the basis of the 1934-1985 budget which begins on April 1. United this plan, the already low living standards in Israel are to go down another eight to ten per cent it is also reported that the annual growth of inflation in faract will reach the highest level in the world. The coloni-

and the occupation of Southern Lolianou. Y. Cohen Orgad Intends

stop, for the time being the establishment of 20 new softlements in occupied Arabi lands and to discouttnue the constitue tion of settlements already Նօգուլ

An opinion poll held by the "Ha'aretz" newspaper has shown that 48.5 per cent of Israelts are opposed to the colonization of Arab lands by fel Ariv.

The Israeli Prime Minister Ytithak Shanni has said that a slowing down of colonization for strictly economic reasons does not put the math principles of the coalition now in power into question The leaders of the ultia-right-wing party. Tehrya, who make up the coalition to the Knessel, and which keeps the Shanili government in ollice, threatens to withdraw its support, if Cohen-Orgad's plan is ac-

SEA FOAM AND WHEAT

zallon of the Arab territories or

cupled by the zionists costs is-

raell tax-payers 1,000 million

dollare each year, not to mention

The ancient Greeks believed that Aphrodite, the beautiful goddess of lova, was horn from the loam of the sea... Scientists studying the biological properties of sea foam have found it contains biologically active substances of vitel importance to ma rine flora and feuna. When treated with sea foam, wheat ripens faster.

HOW TO ADD COLOUR TO BLACK-AND-WHITE

Apy black-and-while imag

con be transformed into colou by the use of computers. Technology for this process descri-bed as "colorization" has been designed in Canade. However, the artiste musi lend o hand oil the some. What they do is to colour in the first few elits of cach frame, though Instead of using proper colour, they punch the keye of a modern computer, whose "electronic patetia" contains 1,028 colours. information about which to stored in the computer memory. The computer divides the screen into \$25 Ibousand parts encoding each colour chosen by the artist, and the correspond ing shade of the bleck-and-white original. After this, it filts in the colours of the rasi of the trames by following the movements of all the flay

Science and technology

mage is recorded on videotape. Film makers have shown inlerest in the process which is hardly surprising, los it gives them a unique opportunity to transform black-and-white classics, such as the lilms made by Sergel Essenstein or Charlie Chaplin, iato colour. For the artisi, work on these films will be more difficult as each "scene" will have to be painted enew et the appearance of every new character.

initial experiments have shown that the "painting" of a 30-minute lilm with octors re-quires 24 hours of uninterrup-

FROM the SOVIET PRESS

A REAL BASIS FOR OPTIMISM

tileus far the new yeur, 1984, are shared in NEW TIMES by journalist, Vadins Zaghnilin, who writes, in part:

Our optimiam for the lutura reats not only on our belief that New Year wishes and our elerant human aspirations for the best wift cama true. The busis for this optimism is quite rentisite, it is our confidence in the pawer of socialism, and off the supporters at peace and social progress. It is the consistency and limness characteristic of the pulicles at peace pursued by the socialist community, by this country, it is the political will of the peoples to delend peuco, their resolu-teness to do everything possible to ensure that a man-mada nucleut sun will not acorch this planet with its deadly roys.

The symbol of the past year will be seen not in the US missiles in West Germany, Britain and Italy, but rather in the unit-missile struggic. Not in the grawing danger of war, but to the human readiness to word it all.

THE MIDDLE EAST AND U.S. POLITICS

There are two constrements necessary to the eccuring of o permunent US military presence in the Althile Eust. One step needed, writes Academician Yeegeny Primakov in PRAVDA, is the implementation of the strategic enneept which the US Secretary of Delense has determined as preparation for a tungle single-handed straighte with the Saviet Union on o yllobal and regional level. The other slep is to paralize the clions at the Amb stotes almed in the elimination of the othermath at the targett oggression of 1967, is make stronger the descritegrating forces in the Amb warld, and ta supply props for Israeli expansionista.

The reprome at the US line of "globulizing" the Amb-istucia conflict is seen in the formal adoption of the USfound agreement on strategic cooperation which was finalized diring the visit to Washington early in December, 1983, of the new Israeli Premier Vilzlack Stamir and the Minister of Detence Moshe Arens, During this visit any goise of "Impurtimity or "e-guidistance" was cymeatly shed, unlike the lace put on for their Middle East trips by US pultitions. In tha 1970s and carly 1980s.

MORE TROUBLE AHEAD?

Commenting on the Imperial aggressive policy adopted by the US President Roundl Reagain, IZVESTIA's political obser-

The international community can expect a for more trouble from their "Intransigent brother" because of his obsession to be first in everything and in sole control.

Indeed, it could well be that a new crists-point in tension has alread, judying by the extraordinary repaired in the im-perul itch in Washington, by the militarist incodinence oflicibily known as "power polities", and by the general readiness to sacrifice civilization rather than fall this the heresy of compromise with the enemies of the USA. These enemies are not only the socialist states, Folia stresses. They include most of the developing notions, and even some of the office or, or tenst, inducated circles in some office countries. They otso include international organizations like UNESCO and the United Nations fiselt.

POWER POLITICS ON THE SCALES OF HISTORY

The level reached in the development of productive forces, acience and technology has brought about a historically sig-niticant situation in which the ours race cannot secure mitiliary superiority for either side, wholever the scala this roca may assume, writes V. Kortunov in SOTSIALISTICHESKAYA INDUSTRIYA. The military and strategic balance between the USSR and the United States, and between the Warsaw Treaty countries and the NATO nations is with us for good. What is more, it has become trrevorsible,

The Peningon's hopes of pursuing a policy from positions of military superfority represent e dongarous and adventurous delusion and un oftenipt to ignore the trroversible changes in the world. The issue of whether it is possible to etiain altorcyle superfortly has been inade obsolete by the development in modern science and technology.

Byer since the time when weopons were occumulated in the assemble of the opposed milliory and political groupings in quantities sufficient to destroy each other, eli talk that it is possible to ochieve militory auperiority has become mean-

OF INTEREST

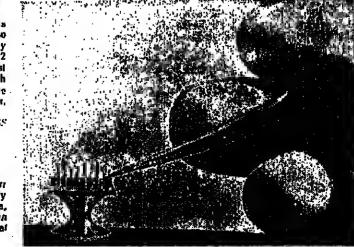
ti has taken live wetchmakers Irona Switzerlead two years or so to make this microscopically lisy set of chess. The table is only 12 militimaires high, and the tallesi place, the King, is just one lith of this height. The board and the pleces are made at mac, capper, eod nickel.

Photo Cumcio Presa-TASS

Snowless winter

in Bratislava

The first doy of the new year set o record for this curiously anowiess winter in Bratislava, Czechoslovokio: it has not been this warm on January (at (almost +14°C), since 1851.





THE VOLOA HAS STARTED TURHING THE BLADES OF YET AHOTHER TURBINE OF THE CHEBOKSARY HYDROELECTRIC POWER PLANT, THE ELEVENTH UNIT. Whon all the 18 power units are put into aperation beloro lho end ol 1985 lha plani will generate 3,500 million kilowall-hours of alectricity annually, thus considerably improving the electricity supply for Yolgs area lowns and villagas.

AH AUTOMATED FORG-STAGE IIAS BEEN COMMIS-SIONED AT THE IZHORSKY ZAVOD ASSOCIATION, IH LE-HIHGRAD, WILL HELP BOOST THE MANUFACTURE OF LARGE-DIMENSION FORGINGS WEIGH ING UP TO 200 TOHNES WHICH ARE HOW IH SHORT SUPPLY, A computer will synchronise the operation of a 6,000-tonna press, Iwa rebois, a forging emse, a heal-irealing lurnace and other equipment.

PIT-FACE WORKING MADE OBSOLETE?

A new machine for the hydraulic extraction of coal, now being commarcially, produced in this country, is capable of working unatlended for long periads. Under ldgh prassura, a jet of waler cue inic coal, however solid, which is then pumped to the auriace.

These Instellations are specially designed for extracting coal out of thin seams rising or failing of steep engles. Previously at meny coal fields such seems remained naworked.

One installation like this can extract more than fifty lonnes of

PRACTISING AFTER HOURS



This phalo was taken at a rehearsal by the Rus tolkings ensuits in the Palaco of Culture of the Parsi State Ball-Bearing plant in Mascow. The singers ore local workers who rehearse after noura saveral tlates a week. The emaleur erlisis (there is olsa an operatic group, a working People's Theore and a gullar ensembla) give over 250 concerts a year la audiences of around

liseit, there era amateur groups aperating right in the workshaps after work. There are 17 of them now—pnp groups, and draine and song en-sambles. Espacially popular with the workers is the "egilation" theatra with its programme ni

varse, saugs, dences and music,
Those who are slaga-sby can go to the musicdrama and mollan film department at the Irical People's University of Celture and meet Moscow io addition to the groups at the Palace building acture, composors, and theatre critics.

KALE ON A KATAMARAN

Kathmarans launched by the stripbulders of Nakhoriks are become reliable helpers for collectars of kale. The main ship in this series made its malden cruise lo the artificial ma-

that the biggest demend for these

machines may come from the Kuznelsk coal lield in Silveria.

where conventional coal-minlag

operationa lead to major con-centrations of bighly explasive methane gas and it is therefore

adler and much more convenient

to extract the mine's extensive

reserves by means of water. Besides, the hydraulic extracilan

of coal costs only two-thirds of

chrivenijonal extraction methods.

this country where coal is extrocted by means of water.

Todey, there are len mines in

rine plantations found in one of lamaren's while deck can take the lays in the south of the up to ten lounes of kale. The Maritima Territary. ship can work lin whule day The ship fully meals the reon the plenintions and then quirementa at those working carry the harvest lu lie procesun marlue plantations. The ke-

Anti-hail service in Uzbekistan

Weathermen often relei lo lizbekisten (in Soviel Central Asie) as one of the most halfprone republics in this country: in many areas hell slorats occur as olien as 20 limes a year, sometimes desiroying up to 40 per cent of Irult, grapes and

A speciel anti-hall service has been sel up lo reduca the elfects of this natural calamily.

The republic epends some 1,000,000 routiles a year for the service which fights haits over an area of 700,000 hectares. There are anti-ball squads in sin areas in the republic, and stallslice show that they save over 15,000,000-20,000,000 milllon roubles worth of produce, which means that each rouble invested in the envice brings in a five to six rouhles

locomotives

helug lailt in Novocherkee the 12-axio engines of was beaking system is put to god use - as much as 15 per cent of the pairer goes back to the goes downhill.

The even more powerful kilowalts will have these and

Over the 25 years of 0s ertsience the engineering center shnoting electric locomotives its designs are used by a plant in this country which manufact ground magnetic suspender liatosport.

Automatic welding for gas pipelines

Over half of the welding is volved in the construction of major Soviel gas pipelines is now done by outunatic devices This evolds labour-consumit operations in the harsh cond tions of Siberia and the Par North, end provides for a sharp

Nni a aingle wolding break is occurred aince the Sever suice-1,4211 pipes. Operated by e cre

A new generation of electric

A new generation of augopowerful electric locomolives In the south of Russia. Via will become the pilot model in ous types and purposes the pull todas weighing as much a (0,000) Jounes, its recuperative power line as the locamotre

machines of 12 to 14 thousand t-

III Novocherkassi: has designed lares electric lacoundives for Poland and Findand. The Inditute also di-stgns high-speel

increase to productivity.

atte weiding machine weal the operation. Il provides for a live fold increesa in productivity loking four minutes to well ol 12 II does the wark of

36 men. Though at prescol the machine can anly be used on straight 160 tions of pipolino, a new general tion is being designed for webthus hand welding operation will be completely eliminated from gas pipelino projects.

HOME NEWS

Places to visit

The Fortress of Gerul, the similar residence of Armentan tears, was built to the 2nd century B.C., 27 kilometres from Yerevan, the present capital of Armenta, on the banks of a gorgo through which flows the Azat Siver. The Temple of the Sun was elected nearby. After Armenia went Christian all its temples were destroyed. The Temple at Garul, the only one in survive, was reduced to rains by a strong earthquake in 1670.

In 1975, this stapendams halfding boasting 24 louic columns and a wealth at ornamental atoomicals (photo) was reliable. Armenian restorers tild a fine job on this measurpless of ancical erchitecture blending together elements of Armentan

The rules of the thick walls of the inviress with its rectaegular towers, two-storoy living quarters and bathhouse survive to this day. Of great interest is the bathhouse mosaic floor (dsting back to the 1st century B.C.), mensuring some nine square metres and mode out of 15 different abades of strue.

THE MAGICIAN

Being able to perform magic tricks is considered quite handy for New Yesr celebrations, Any-ane can perform them provided he has some simple tools, a cerlain rouline and es much Imegioallon as possible. This is the opinion of Muscovite Ivan Bryukhanav who has been loventing and making magiciens

props for over 50 yeers. The Iricks which have been prepared with the participation l the old master, contaio e loi of myslery. For example, e carl with a clowo is rolled on stage, his head the corms! size, the rest of his hody ien times emel-ier. Or there is the "live" rope

which without aid rises up from the floor while an acrobat climbs it, he ihan descends and is rollad into a knot as the rope

comes dawn.

During the pre-wer years like following irick was a great succoss in this country, performed to the circus and os stage, very often during New Year celebretions: dozens of fairy-tale characlara run oul of e very liny, fan-cilully painted little house, dance

pov, o geologist working for the Ministry of Geology of the Uzhek SSR and M. Novgorodova, of the Institute of the Geology of Ora Deposits, Petrogro-ply, Minerology end Geoche-mistry of the Academy of Sci-cness of the USSR At Their been reslored in our lime in the circus by the old master of megic, the house now confeining bears, rather then people. suggestion the osw mineral has been named "khamrebayevil", niter Acedamician ibregim Khamrabeyev, one of the first

Additions to Moscow Zoo

A pair of Menchurlas or Jupa- doing an odd sort of jumping the large family of cranes in Moscow Zoo, They arrived from the Korean Paople's Democratic Rapublic in exchange for two Ussuri tigats, After e month's quarentine, the hirds will be put

on view to the public.

The long-lagged visitors from Manchuris heve selled down well in their new home. They "welk" with measured freed up end down their cage producing conlended irumpet sounds or

AN ENCYCLOPAEDIA OF CHEMISTRY

A "Chemical Encyclopaedic Dictionary" has been prinied in the Soviel Union. It was pre-pared by the Sovietskaye Entsik-

The dictionary consists of ebout 9,000 entries, Unlike other one-volume chemical reference, books, which exist in the world,

MN INFORMATION No. 2, 1984

in e circle and bide inside again. The helf-forgollen trick has

measures the number of these

birds is growing. There ere lan species of crene in our country.

The best known among them ere

the Baurian. The Manchurinn or

Jepanese crane usuelly nests in the basin of the Ussuri but it is

now very rarely to he seen in the USSR.

the new publication has made n

euccessful ellempl to represent

and industry, as well as ideas en-

compassed by breaches of know-

lodge adjectot lo chamistry-

molecular blology, geochemistry,

physics, sto,

COIN STRUCK which there are 15 dilerent spe TO COMMEMORATE cles, express their "good rood" Thanks to nature protection

FIRST PRINTER A one rouble coin has been nul into circulation in tida country to mark the 400th enniversary since the death of Iven Tyoov, ibs iirsi Russian printai end foundar of the first printing presses in Russia end the Ukral-

The obverse side of the coin beers the USSR Coal of Arms end the words—"USSR", "One Rouble", end "1983".

The reverse side of the colu dspiels part of the monument to Ivan Pyodorov In Moscow, with the dates, "1510" and "1583" of his hirth and death, and the in-actipities, "Ivan Fyodorov" below, and "The First Russian Printer",

people to discover are gold in the Central Kyzylkours.

Research bas shown that khamrahayevit is a forerunner

of the mantle material lying at

e depth of filly kiloatetree. The

new interest may left us a lot

of Interesting things about the

processes taking place in the

Scientists from Minsk, in Bye-

lornssia, have made a new type

rd clock, doing away with cooventional hands and dial. A speech synthesizer, which tells the exact time, is part of the

chronometer they made, Such equipment can be found at an

automatic lime service centre in

Hp nattl now studia; systems

used to play back a receded text couldn't by the autoimer.

These appliances were bulky ainly

exponsive. The falking clock in-

vented in Massk can travel about

curate, Information is fed Info

In a total case and is more ac-

the memory of the speech syn-

crystal mlock,

thesizer from a superacourate

TALKING CLOCK

CAT'S HEARING:

Science

and technology

IT? I GOOD WOR TRUL

All experiment to determine this question was held at the Institute of Higher Nervous Achvily and Neurophysiology of the Academy of Sciences of the

It is common knowledge that many animals are comble of finding their way brone even if they stray long distances nway from it. A case is known of a forient crossing almost the whole of France to get back to life master.

The exact nature of this phonumerion has so far remained unknown to scientists, but lests and experiments are leading people closer to solving the ibidite. V. Tushchelein, an Instititle research associate, decided to find out what it is that kitleng use to find their way home during the first month of their life. He look their out of thelr bux and placed them on the ground which was contpped with sensors.

the kittens were very precise

ht using the acoustic informa-

Hon and easily found their way

News comes Irem Tashkent,

the capital of Uzhekistan, that

the commission of the interne-

tianal Mineralagical Sociaty

dealing with naw minerals aad

their names has recognized the

navelly of a minatel found in

the midst of volcanic tock in

the east of Uzbekislen, and consisting of tilsalum and ve-nadium carbides.

It was discovered by 2. Yugu-

NEW MINERAL

IN UZBEKISTAN

The new model is based on a standard digital display unit. To It formed not that the ability take the blea buttley pedsaps we can also envisage a 'talking' to had their home is almost inberent from the very first days. thermometer, volumeter, ampor At the beginning they take their bentings from drops to meter or any other such instru ments. People of many professions, particularly operators and traperature, being attracted by heat. Then they begin to use assemblers need such history their henring, after this comes ments. the sense of smell and evesight Which of the senses is the most important for finding then INTRAVASCULAR SURGERY braitings? If formed out that eyesight is not the chief factor, while bearing plays an important part. Daring the experiment

A method of intravascular sur-

gery developed in the USSIL makes it possible to diagnose and localize the disease such as parrowing of the arteries, thrombesis, etc., and also to remore obstacles to the blood flow, i.e., to effect a cure.

A probe is inserted through

one of the major afteries and is

Irealment which is painless.

1

gradually inoved to the affected aree for example to the coronary affery Iprobes muy also be insected toto hadn vessels ood into virtually any large organi. A tenglo of treatt vessels illied with controlling substances shows up on a display screes. When the dongerous section in one of the branches of the coronary artery is spoiled, the prole-is led directly to that spot. By inflating a special rubber cylin-der-ceff, inserted vio a probe, the wall of the entery is corefully stretched. Greduelly leading the cylinds: along the whole nerrowed area of the sitory it becomes possible to expand i and to restore nurmal blood flow Pellanis suffering from chronic ischemic cardiec disease or from frequent lifs of stenorerdia immediately feel belief during the surgory. The patient remains fully conscious throughout the

VIEWPOINT

The second secon

PROBLEMS TO BE SOLVED BY NEW SCHOOL REFORM

This country is currectly discussing the drait proposals made by the CPSU Central Committee lermed-"The Atala Guidelines or a Setorm witha General-Edu catino and Vocational Schools". Our correspondent asked Direc-tor Tatyana KOVYLOVA ni School No. 1211 in Mascow Id comme**a**t on the proposals.

The need int a school retorm has come to a lead in this constry she suld. Is 1976, the Soviet ludge completed the transler to compulsory secondary edicathus which everyone must complete both in luxu and cooutry. Inday, nor is affered the chitte between completlug serondary general-education school, vocational school, in specialized schools, and yel, the ordenia in all of them toriode ercondacy adocation which al roys graduates to continue theh alucation (a any college or university, brithis way everyme tias been guaranteed const un protodlies in getting a higher

thesity, to an elliot to catch me with the greating progress in clence and technology, the dud guidentain his heen con staulty supplemented, becoming overloaded with a mass of new and diverse Internation. greeding specialization to the na-Hetral economy most of firs kraiwledge has been proved ur-

recessary. Secondly, the expansion to the course of theoretical subjects uolil not kelp bil kave an elleri on the vulunte of practica knowledge taught and on crall lessons. Nevertheless, the requiremedis of today, snih as those caesed by a sbortage of lobour to the country, coaspet us to organize school education so haj school leavers cao hecum skilled workere immediately employable without any need for additional training.

The Central Commillee is pro posing the tollowing structure lo secondary and vocational aducation—the primary school between the tirst and lourib classes, classes between the flith end the cluth, leafor high school, followed by the tenth and the eleventh classes of the seolor high school or by a choice belween vocational secondary schuols and specialized second

ery selsools. This means that is all there are aloveo classes to the secondáry geueral educalino schnol. Childreo will beglo school et alx (a yeer eeriler), tho groeodwork for which has already been fald hy the davalopment of preschool edircetion.
The list of sebjects end the ex-

leni to which they ore to be taeght will be corrected along with the removel of complicated eod excessivo informatino.

dovoted to practical education end training, with part of the summer holidays evoly year being givoo ever le practicol work From the eighth cless, po-pils will be trained in school production leans at interschool iraliting end production comple nes. Upon leaving school liley will be awarded the secondry qualifications. Bach school to to which will act or its petrne. In dusiries will provide schools with equipment ent melchits and pay the schoolchildren in

It in hoped that in the fotoro litese and other measures with help to unite the secondary general-citication and vecellenal school systems. Such radical changes as the niart of school ing at the age at six will be it troduced in 1980.

FROM the SOVIET PRESS

RAILWAY STRETCHING FROM BAIKAL TO AMUR

1984 will ace through traffic off clong the Balkat-Amur Rollway, writes the TRUD newspaper. This project which le al special importance la the country's economy consiets of over three thousand kilometres of roll plus 200 stollens of various sizes and 138 major bridges. The tolgo rollroad pierces seven mountoin

lis operation will conside ireight haille between the country's Centre, the fsiend of Sokhalin, the Komchotko l'eninaula and the whole of the For Fost. Apart from being olso o shortcut between Seropcon USSR and the Pacific shoreline, the Balkal-Amur Rollwny is olso o beochlicad for further eco-nomic exponsion: with bronches of the callway being extended to central Yakutto and even terther north-

Although in terms of the vost size of our country the BAM orco is not enormous, it is abundant in mine rais and its economic potential is tremendous. The counfry will be given uccess to new deposits of monganess ond from ores, coal, copper, nickel, nine, molybdenum, tin, ote., which will form the boats for a number of industriai compiexes.

NUCLEAR POWER IN THE 11TH FIVE-YEAR PLAN PERIOD

In the 11th live-year plon period, 1981-85, European USSR will receive oil of its power production increment through nuclear power, writes BKONOMICHESKAYA GAZETA. The share of nuclear power will increase 2.5 lold to reach 14 per cant. There are plans to in-

troduce three times as many nuclear power locilities as in the past live yeors

being troined in centree equipped with oil the necessary toellities, including simelotors. Such centres will olso be to upgrade the level of those who have already and experience of o nuclear stotion.

EARTH'S MYSTERIES

acientificolly.

Sovici geophysicials oro the lirst in the world to drill so deep into the Forth's crust: the Kolo super-deep borcholo has reached a depth of 12 km, willes PRAVDA. This ochievoment con well be compared with

At present, when the search lor deep-lying minerola acquires on ever greoter importance, to drill down yet another one or two kilometres omounts to even further expansion of the country's mineral and raw material loundation. The Kolo borehole is the lirst etep towords implementing the notional programme, "Stedy into the Barth's Bowels and Superdeep Drilling". The results of ready obtoined ore of tremendous im-

In results circary obtained ore of tremandous im-portance and will serve as a new basis for the simula-tion of the lithosphera and the Rarth's montie. These will also be useful in the development of deep drilling

Nucleor power will be based around thermal neutron reactors and will have a capacity of f.000 MW and

mora. At presant we operole several nucleor atotions with such power units. These include the Leningrod-skayo, Chernobylskayo, Kurskoyo, Novo-Voronezhskoyo, und Yualino-Ukroinekayn, Speciol nuclear power alollons are now being devaloped for earthquake-prone uraos. in order to operata nuclear elotions, personnel are

SUPERDEEP BOREHOLE REVEALS

man's penoirotion into outer spoce, both technically and

come a lobnrotory for icsting superdeep drilling tech-nology and for observing crustal processee taking place LENINGRAD 'DISNEYLAND'

Recently Leningroders come up with the ideo of ercoling o sort of "wonderlo maginotions of both children and adults, writes the SOVIETSKAYA KULTURA newspoper. A group of erchitecta, engineers, poets, designers and psychologists act to work on this project, the cybernelic canife of culture, as it is olso colled.

Also important is the loci that the Rolo well mokes

the Eurina crusiol processes visible to scientists.

The ultimate depth of 15 kilometres is expected to

be received helore the end of the next live-year plon

period, i.e., balors 1990. Alter that the well will be-

The "wonderlond", they see it, should suit o diversity of interests; leoturing, for example, streets confoling enteriolnment booths and various other offractions, sand roode leading to the lands of Zoology, Paleoniology, Geology, Music, Pointing and History. There is olso the possibility that bronches of vorious

elly museums moy be set up here, including the Hermitoge whose director Boris Piotrovsky is very enthusication obout the idea. Museums lock spoce, and their reserve collections contoin many items of interest. It is plonned to equip the contre with the latest in : lasera ond computers. Recourse will olso be had to holo-graphy, colour music, dromalized shows, water perfor-

monees and other unique officellons. Unlike the Colliornian Disneyland which olms pure ond amply of kicke, its Leningrod counterpart, necord-ing to its pionners, will make use of oil the lotest. ochievements of science and technology in order to com-pliment fun and recreation with adding to a mon's. owledge of the world.

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io this geosroitos. In Octuber 1942, os an sighteen-year-old youth, be was posted to the Ironi line near Statingrad. After the war be revealed o lateut for writing and twas admitted as a student to the Moscow Lierary Institute where his senior leacher was the wall-known Sovict author, Konstanila Paustovsky.

Bondorey became famous aller ha publication of his two novels —"Ariillory Support" (1957) ond "The Final Salves" (1959). Both revealed a quolifolively now aspect in the depiction of wor. They gave proloundly real-istic descriptions of the soldier's view of tiny strongholds and nameless hills end bridgsheads delended by the Sovial Army to the last man, and summed up the terrible brials of tranch warfore Cillics praised Bondarev as an innovoior and a masicr of batticficid prose. Laior to the uriicfo, "To My Readers", Bon-daray said that the two novals wera inspired by people he mel during the war, by the men ha morched with across the Stolinmore need with across the Stolln-grad steppes, the Ukrotne and Poland. "I was constantly hount-ed by the thought that I was bringing back to life people whom no one knew anything ohoul except ma, that I alone had to fell all. "The characters In the novels ere young officers and soldiers besting back eaemy



ditions. Faced with death, they show suproms human qualities: loyally lo duly, great ldendship,

and integrity.

Bondarev's novel, "The Silence", writies in 1002, is about soldiers who return to civillau life aller the war. In peace time Bondorev's characters still display courage and banour, and they are active is the tight for truth. After "The Silence", the

author again turned his dichiton to the untorgettable days of the Battle for Stalingrad. The nevel he dedicated to this subject, 'The Hol Scow", has become o sori of optimistic iragedy re-creating the lives of those courogeous, loving, and romentic young soldlers and junior oillcars who died belora they were sble to experience meny of the loys life has to otter.

for the script of 'Liberation", a ilm-cpic, which won a Lenin

His last novela, "The Shore" and "The Choice", morking new staga in his career as writer, have made him world lamouo. Almosi all Bondarev' works have been published in tronslation shroad. The two last novals ligure on the best seller

Why do these works affrac

such a wids randership? First and foremost thay represent passionale rioa lor conjemporary man to adopt an active position in the struggle to preserve the idaals of peace and good. Niki-iln, a writer, in "The Shore", and Vasilyev, an artist, in "The Cholee", ponder over the rola played by the arts and the intelligentsia's contribution to the struggle. Bondorev believes that the writer and origing should apurn the toroute of "absolute onloamy for the creative oris". Thoi is why his characters con storily opply thoir minds to his-lory, of which they teel they ore a port, and seek in moke correct moral choica. The nove "The Choice", has been aworded the 1983 USSR Stole Prize.

Bondorev is our contemporary illo novela and stories roflec the very pulse of life. He is an internationalist writer whose works broadcast the truth balonging to his own people and nation, os well as a commo human truth. His books upholo ideals which are close to every

Lilyo KHOKHLOVA

ballels which made Pavlovo

Armenian prize for American sculpton

The Artista Union of the Armentan SSR has awarded the Martiros Saryan Pilze to Horen Ter-Amilian, well-known Amerlean sculptor and public lighte. As a child, Ter-Arullan sollered as result of the tragte gonochie of his people. He lived in Jamoica, in Britain and linnily sattled in the USA. The many years of his wandering in various countries, the things greatly increased his love for his laraway native land. During the difficult years of the re-Ter-Arutian left at one va-our people. In 1942 he are the aculphire "Unconquency of Leningrad. At the same tre he became o co-sponsor d'i collection compaign among b

compatitols living outside to USSR to pay for the Ded Sasinisky" and "General Baramyan" tank hiteades. All lu all, the artist presented 115 pieces of scripture to \$ vici Araienta.

Vuchetich anniversary

The 75th auniversary since the birth of the outstanding aculptor, Yevgeny Vuchetich 11908-1974) hos been celebrated in the Soviel Union, There is much to admire in the sculptor's illa ond artistic career.

During the past war, Viiche-lich volunteered to light the nazis, was shell-shocked onl lost the laculty of speech. Being a man of immense will-power. he managed to overcome this

severe handicap.
The aculptures Vuchelith made often the war brought him

Satirical puppets

Aikady Raikin, on outstonding moster of sattle, is the narratur the Bolshol Puppet Theatre in Laningrad, The production is based upon some short slotles by Mikhail Zoshehenko.

Our moli purpose is lo fight Philistinism in all lis manifes-lations, said V. Suderushkin, the thestie's chiel director, We havs turned to Zoshchenko to widen our reperioire, o process in which we rely on the hest nailonal and international liternlura. We have been slagling "The Good Solilies Svejk" by Joroslav Hasek lor many seasons now and our Mayokovsky contedy 'The Bedhirg" has been very succesalul along wills "Petersburg Fanloay" olier Gogol and Dosinycvo-

but also alroad. He headed to larga team of sculptors 12 created the memorial ensents on the bank of the Volgs Ric commemoraling the bisvery the Soviet soldiers during to Battle of Stallngrad, His soiture, "We Shall Beat Our Swit Into Plonghahares", which it: outside the UN Headquarter a New York represents a syst al the desire for peace



Polry-Tale Plim Festival nov as part of school holiday es Inhuncat in Muscher lealuret heal illms of the past with linve been lavoulles v acvoral generations of views as woll as many now reless Among them are Mostim's " Tale of Wanderings" by dire A. Milia nod H. Hylsater's Physicion's Disciple" made the Gorky Film Studes, Thit n dill from the inlier ille, with in haned no a Bulgarian in lole ond ohni ia Romania.

BUSINESS

SOVIET-INDIAN STEEL COOPERATION ON THE INCREASE

The Indian company MECOM which designs steel mills and was belowd into existence by Moscow's Cipromez institute is going from strength to strength. Chaliman of the company's board of directors P. Ch, Laha told a recent press conference

the company neited some 58,000,000 rupees in the 1902/03 iscol year,

The company is now looking lulo woys to expand the Bhilal and Bocaro sleel mills and la also rlesigning lacilities for the sleel

West German firm designs equipment based on Soviet licence

Salzgitter Industriebau was the lirst subshilary of the Salzgitter concern to enter the Soviet market In 1959, At present, the Soviet Union is its biggest cus-tomer, an MNI correspondent was Jold by Ambreas Böhm, member of the board of this West German linn.

He believes that one of the most promising directions in exattons is the designing of industrial equipment based on Seviel scientific developments, Salzgitter imbiatrichau has already had such experience. A lew years ago, the firm pur-chased from Soviet Licensinlong a patent for the production of unte nebl. Specialists from Salzgitter Industrieban chose Soviel technology in preference to other countries like Poland, the

United States and West Ger many, since it is highly economicol and uses cheaper raw materials.

Under Soviet licence the firm has designed and built a pilot bedustrial plant, interest in the purchase of this continued in West Germany has been shown by many lims from other comtries, but sales so las have been contained as the technology in-volved has not been thoroughly tested in the Soviet Union where it was invented, noted Andreas Bohm. In the near future this situation should change Talks on this question have been held for two and a half years with a contract therein up for signing with the Soviet Techniashimport lor the delivery of the first industrial formic acid plant to the Soviet Unton.

SEMINARS AND SYMPOSIUMS

At a seminar in Moscow devoted to the manufacture of glass containers, organized by the French Itim of Saln Gobain with the assistance of Vneshforgreklama, technologies for vorious types of containers, as well as quality control were discus-

tives of Soviet design organizations and industrial enterprises arquartiled themselves with the line's experience in the manulacture of steel, reinforced concrein and limber components for laillding small-size houses. Also and electric power, liquid and solld litel heating methods, Conways of saying energy vio im-

◆ The Finnish Inm of Paolimalko-yhiyma has held, at the offices of the Finnish-Soviet trade chamber, in Moscow, n symposinin on the prefabricated construction of small-size houses ond their heoting. Representa-

Concert Holl at the Centro

Tourisi Hause (146 Leninsky Prospekt), 7, 8, 9 — New Year

programme for young people in-

cluding a performance by the

Vilamin group, o disco and vori-ous games ond coniesis.

_EXHIBITIONS _

Ceutral Lenio Museum 12

Ploshchad Revolutill. An exhl-

billon of "Leniniona" by sculptor Nikoloi Andreyev [1873-1932].

A series of sculptural composi-

tions, portrolts and sketches and

busis of the leader of the Revo-

section of the exhibition is

devoted to drawings and skel-

ches of Lenin done from Ille. Dally, except Mondoy, 10 a.m. to 6 p.m. Metro Plosbchad Ravo-

Exhibition Hall RSFSR Artisto

Uoloa 17/9 Begovoya Stl. Paint-

inga, works of manumental art.

jawsilary and lapesity by Mos-cow artists. Dally, axespi Tues-

day, 1 p.m. to 8 p.m. Molro Be-

discussed were methods for as-sembling prelabilicated housing siderable offention was paid to proved door and window designs and other devices.

Agreement extended

The USSR State Controllice for

Science and Technology and the Swiss Gebrüder Bübler irm have extended an agreement on sciaa-tilic and technical cooperation by

onother live years. Gebrude

Bühler is a major European producer of equipment for flour rolls, macaroni factories and enterprises producing loodofulfs, mixed lodder, as well as equipment

mani for processing rock oad soil and purifying elfmani.

The agrosmani was originally signed in 1978 for five years

and involved enterprises and re-

soarch institutes of plae Sovict

The Swiss firm has been doing

business with the USSR for many

yeora now. Il has sold the USSR

various complete plant equip-meat, lecluding mills producing

500 lonns of flour a day, as well on liceaces for such mills. Plans are aloof to build over a hun-

drad such mills in this enuntry,

ministries.

. SPORTS __ BANDY

Fill Siedlum [27 Novezavod-skaya Si]. 7 and 8-Moscow Fill vs Monchegorsk Severonikel. Noon (both days).
USSR Championship (ilrs) leaguej matches.

RACING

Hippodroms [22 Begovaya Si]. 8-Racing and troiting 6 p.m.

WEATHER

January 7-9

in Moscow, dly end region, light trost with temperatures rising from -2° -8°C at might to CC during the day. During the first Iwo days light aleet or saow el timos iniansilylag lowerds the and of the period,

TRANSPORT HOURS Meirn 6 s.m. to 1 s.m. Fere 5 kopaks.

Trollaybuses 6 a.m. to 1 a.m. Fere 4 kopsks. Bures 6 c.m. to 1 c.m. Fere 5 kopaks. Trams 5.30 ta 1.10 a.m. Fare 3 kopeks. Taxis 24-hour service. Twanty kopeks on the melar to bagin, plus 20 kopeks par kilometra. Ordaring a cab 24-hour sarvice. Telephane 225-00-00. Communal cebs fover 40 roules in the city) 7 a.m. to 9 p.m. Fere 15 kopeks.

'Happiness

SOVINCENTR

Attention

all gourmets

and connoisseurs

of Russian

cuisine!

DURING THE DAYS OF RUSSIAN

WINTER TO BE HELD FROM

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1984 AT THE RUSSKY RESTAURANT

A wide assortment of traditional

strinks and dishes of national Russian

cuising will be served.

Entertainment programme: Russian

and Gipsy songs and romances,

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and peace reign This is whot wa teel when we saa the Irolkas rocing through tha furest with their fungling bells, say the Danisman hunity.

from Turkey. This is nur second visit to Moscow for the Russian Winter Festival. The featival is great fun and the danceo. smiles ni our hosis radiate happiness. This our guosia com-mented on the traditional festival evante sponsored by injourlat at the USSR Exhibition of Economic Achievements and of the izmallovo Furk nt Culture and

1983 was a particularly praffic year for us, MNI was told by Swedish radio journalisi Bjorn

TO MARK THE JUEILER OF THE CUBAN REVOLUTION

The USSR Ministry of Com-monications has issued a five-kopek stamp dedicated to the 25th enniversary of the wictory of the Cusan Revolution.

at the festival... Collorp. We hove seen produc ilona of plays by the Soviet playwrights Arbuzov and Rozov, os well oo o praduction based on o work by Rospuitn, the well-known Snyiet nuthor. The year woo concluded with n trip to

Philately

Doniel Koiser, n proicsaor of hiomry from Grinnel College, USA, nitended the leolival with o grnup of his students. We are glad that nur college has started in early its studento to the USSR this year, he said. This is very mportant has those who study Russion. I'm mony ol my studcale a trip to Moscow was unihinkable, too exponsive. But tha

Intourist

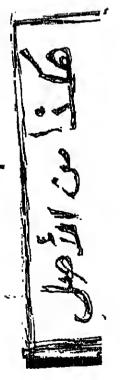
news

college tinanced 80 per cent of the cust, and we took it as a New Year gill. Gotting Gunler of Kossel, West Garmany, said:
- CVIM, the company for

which I work, sends tourists to the USSR. We cooparate with Intoutial ned Spuintk. Môre than 5,000 Wasi Germans visited the USSR with our assistance in 1983. People nead contacts. May peace eniet every house un this planet in the New Yearl

Galina NOVOSAD

THE REPORT OF THE PARTY OF THE



DEDICATED to Anna PAVLOVA

"The Great Povlovo" is the tills of o New Yeor French tele-vision programma dedicated to the memory of the Russian balle-

rino, Anna Pavlova. More than fifty lamous bollet dancers from dillerem parls of the world took

lomous in Europe and America. These include "Giselle", 'Tha Sisoping Beouty", 'Don Quixo-la", "The Nuicrocker", end, of course, "Tha Dying Swan", a parl which Pavlovo mode har

ART AND CRAFT TEACHERS DISPLAY THEIR SKILLS

Sculpture, pointingo, drowings, corving and wood nuinting, ceromics and metal licms, scale models of old Russian orchitectural monuments, curpets and juposiries are to be seen of a show which has opened ut the Centrul Exhibition Holl

Would-be ort and croft teachers from over 1,500 cduentional establishments in the Russian Federation have contributed to this unusual ohnw, held under the motio: School-tcocher-ort". These teachers of the luture. whose lob it will be to cultivote o love of nrt in children, make use of national tolk or traditions in their work: of Polckh, Khokhiomo, Mslera, Arkhangelsk and Mordov wood-carving, for instance, Ural stone-curving, Yoroslavi enamel, Vntogdo loce, objects mode of birch bark and reindeer fur, Udmitt and Bashkir carpeto, and jewellery from Nizhny Togii and Kubachi.
The lirot of these shows was held in Moscow live

G. tonovo. An Illustration to Alexander Pushkia's

poem "The Gypsies".

① Worko by sludents of the Daghesian Teachers Trola-





AND CONDUCTOR

The list monograph in the Russion lenguage devoted to the Polish coreposer, Krzyszief Penderecki has been published

Kompozitor Publishera, In

NOTED COMPOSER

Krzyaztof Penderecki, who has violted Moscow whara he hae conducted concerts of his. music mora than once, le well known to Sovial audiences. The monograph la lasued by Sovielthe "Foreign rousic, 20th-Cen-tury Musicians" series.



January 7-9

THEATRES_

Bolshoi Theairo (Svardiov Sql. imai) — Gluck, "Iphigenio on Autide" (opera): 7 (eve)—Tchal-kovaky, "Engena Onegla" (ope-ra). 8 (mati—Double-bill: Chomani" (bollets); B (evel-Bizel, "Carmen" [opera].

Sianislavsky and Nemirovich-Danchenko Musical Thesire (17 Pushkinskaya Sij. 7 (mai]-Vainherg, "The Golden Key" (ballet); 7 (evel-Mozari, "La linta giardinlera" (opera). 8 (mail-Morozov, 'Doctor Doollitle' (ballei]; 8 (evel-Puccini, "La Boheme" (operal. 9 (mai) — Glad-kov, "The Elder Son" (operal; 9 (evel-An evening with ballet soloisia Margariia Drozdova and Vladimir Kirillov.

Operella Theeire (8 Pushkinskaya Sij. 7 (rooi, aftj—Palisman, "An Old Comedy"; 7 (avej— Gadzhiev, "The Crossroads", 8 [mai, aftj, 9 (mai, aftj—Gladkny, "Khoitabych". 8 (evel-Kalman. Evening Visitors". 9 (evel-Milyutin, "Girls in a Flurry",

The Myslery of the But birds" [Mosfilm Studios, US Based on the Again Co

FILMS _

kin Sql. Mairo Pushkinde "Oklyabı" (Prospekt Kalle") Melro Arbalskays. A psychological about a maa working at the

money-laading firm population in its to chase people to the who delouit on their firm menis.

Cinema: "Rekord" Central Stodium), Melro Spor

vorelskaye Embankment Rosslya Hotell. 8, 9 Fantasy", a dramatized of ball for young people.

Palaca of Sport, Lealing Sladium (Luzhniki). "New Year Fanlasy", & France programme.

Povaya.